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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/842,704		04/27/2001	Hiromichi Sato	109338	9114	
25944	7590	03/18/2005		EXAMINER		
OLIFF &		GE, PLC	HEINRICH, SAMUEL M			
P.O. BOX ALEXAN		22320		ART UNIT	PAPER NUMBER	
·				1725		
				DATE MAILED: 03/18/2009	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	on No.	Applicant(s)						
		09/842,70	04	SATO ET AL.						
	Office Action Summary	Examiner		Art Unit						
	·	Samuel M	Heinrich	1725						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply										
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).										
Status										
1)	Responsive to communication(s) filed on									
	2a) ☐ This action is FINAL . 2b) ☒ This action is non-final.									
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Dispositi	ion of Claims									
5)□ 6)⊠ 7)□	Claim(s) 1-52 is/are pending in the applicate 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1-52 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction as	hdrawn from co								
Applicati	on Papers									
9)[The specification is objected to by the Exa	ıminer.								
10)⊠ The drawing(s) filed on <u>27 April 2001</u> is/are: a)⊠ accepted or b)☐ objected to by the Examiner.										
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority u	ınder 35 U.S.C. § 119	•								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 										
Attachmen	t(s)									
	e of References Cited (PTO-892)			ımmary (PTO-413)						
3) 🛛 Inform	e of Draftsperson's Patent Drawing Review (PTO-94 mation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date <u>06092004</u> .			/Mail Date formal Patent Application (PTO-152 	?)					

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-47 are rejected under 35 U.S.C. 102(b) as being anticipated by US

Patent Number 6,332,913 to Breitschwerdt et al. With respect to independent claims 1,

23, and 46, Breitschwerdt et al disclose a hydrogen generator comprising a membrane

module of the stacked plate type for selective hydrogen separation. The module is

formed by stacking plates on top of each other and is used in a mobile hydrogen

generating unit which supplies a fuel cell with pure hydrogen. The module includes a

hydrogen separation layer 7, a supply layer 15, 16, 19 for a hydrogen-containing gas

mixture (reformat), and a hydrogen extraction layer 5. The module shows gas inlets 22,

23 for the reformat and gas outlets 10, 11 for the pure hydrogen. Reformat and purified

hydrogen are guided counter-currently. The hydrogen can be discharged by means of a

flushing gas. The dependent claims merely refer in an exemplary manner to features

known per se and which would have been obvious at the time applicant's invention was

made to a person having ordinary skill in the art when separating hydrogen by means of

hydrogen selective membranes.

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Samuel M Heinrich whose telephone number is 571-

272-1175. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas G Dunn can be reached on 571-272-1171. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Samuel M. Henrich March 11, 2005

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Samuel M Heinrich Primary Examiner

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SMH